



D0 Status Report 6/6/2005

Taka Yasuda Fermilab





Data Taking for 5/23 - 5/29

Day	Delivered	Recorded	Eff.	Comments
5/23 (Mon)	1.57 pb ⁻¹	1.39 pb ⁻¹	88 %	
5/24 (Tue)	2.07 pb ⁻¹	1.71 pb ⁻¹	83 %	40 min downtime due to CTT x13 10 min downtime due to muon HV 15 min downtime due to FPD x12
5/25 (Wed)	1.66 pb ⁻¹	1.46 pb ⁻¹	88 %	Luminosity special run
5/26 (Thu)	2.60 pb ⁻¹	2.31 pb ⁻¹	89 %	Luminosity special run
5/27 (Fri)	2.49 pb ⁻¹	2.16 pb ⁻¹	87 %	30 min downtime due to CFT x52
5/28 (Sat)	2.02 pb ⁻¹	1.89 pb ⁻¹	93 %	
5/29 (Sun)	2.57 pb ⁻¹	2.39 pb ⁻¹	93 %	

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5/23 - 5/29 1	15.0 pb ⁻¹	13.3 pb ⁻¹	89 %	





Data Taking for 5/30 - 6/5

Day	Delivered	Recorded	Eff.	Comments
5/30 (Mon)	2.55 pb ⁻¹	2.35 pb ⁻¹	92 %	
5/31 (Tue)	1.18 pb ⁻¹	1.00 pb ⁻¹	85 %	15 min downtime due to PDT x3a
6/1 (Wed)	2.62 pb ⁻¹	2.37 pb ⁻¹	90 %	
6/2 (Thu)	3.08 pb ⁻¹	2.70 pb ⁻¹	87 %	
6/3 (Fri)	0.68 pb ⁻¹	pb ⁻¹	%	Luminosity reporting system is down Controlled access to replace a BLS PS Controlled access to fix a preamp PS
6/4 (Sat)	1.44 pb ⁻¹	pb ⁻¹	%	Luminosity reporting system is down
6/5 (Sun)	2.09 pb ⁻¹	pb ⁻¹	%	Luminosity reporting system is down

5/30 - 6/25	13.6 pb ⁻¹	pb ⁻¹	%	





Store Statistics

Store	Init Lum	Duration	Delivered	Recorded	Eff.	Comments
4171	67E30	25 hours	2.55 pb ⁻¹	2.26 pb ⁻¹	88 %	
4172	90E30	4 hours	1.06 pb ⁻¹	0.84 pb ⁻¹	79 %	
4175	59E30	23 hours	2.22 pb ⁻¹	1.98 pb ⁻¹	89 %	
4176	81E30	24 hours	2.99 pb ⁻¹	2.67 pb ⁻¹	89 %	
4178	86E30	29 hours	3.59 pb ⁻¹	3.19 pb ⁻¹	89 %	
4179	77E30	19 hours	2.56 pb ⁻¹	2.39 pb ⁻¹	93 %	
4181	75E30	28 hours	2.92 pb ⁻¹	2.70 pb ⁻¹	92 %	
4185	90E30	27 hours	3.44 pb ⁻¹	3.01 pb ⁻¹	88 %	
4187	97E30	25 hours	3.76 pb ⁻¹	pb ⁻¹	%	Luminosity reporting system is down
4193	85E30	31 hours	3.54 pb ⁻¹	pb ⁻¹	%	Luminosity reporting system is down



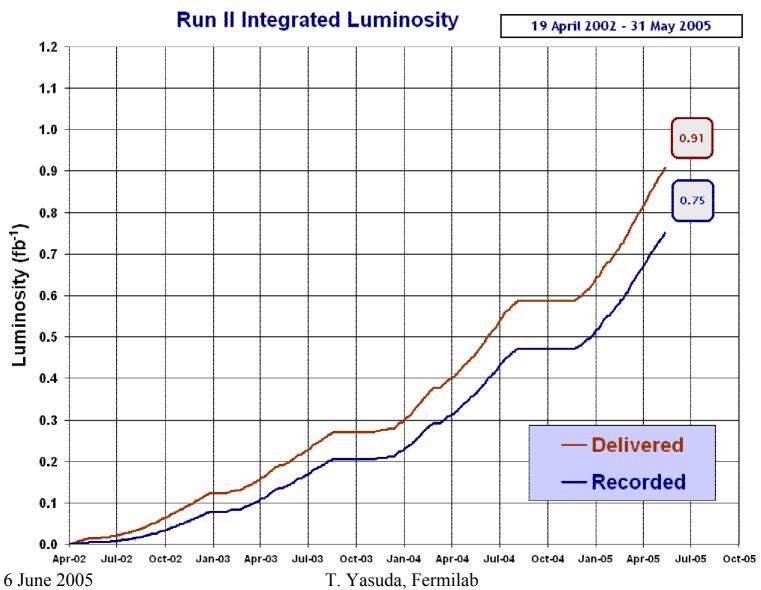


Notable events of the week

- Delivered lumi surpassed 900 pb⁻¹ on 5/27.
- Recorded lumi surpassed 750 pb⁻¹ on 5/30.
- Delivered/Recorded lumi in May were 66.3/58.1 pb⁻¹: both 2nd best in Run II
- Reduced the number of control room shifters from 6 to 5.
 - Global Monitoring duties are now done by Shift Captain.
 - Five shifters are Captain, DAQ, CalMuo, SMT, and CFT.
- Downloaded and took data with v14 trigger successfully.
 - Meant for luminosity up to 130E30.

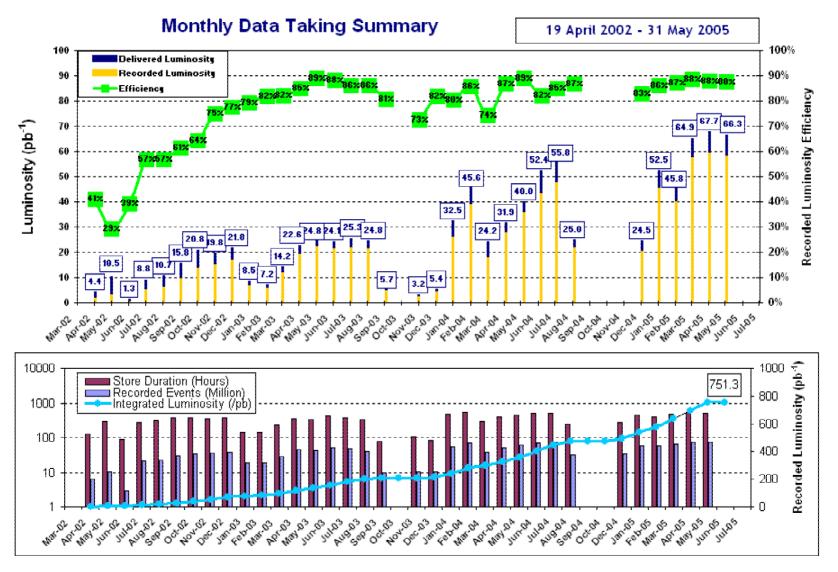






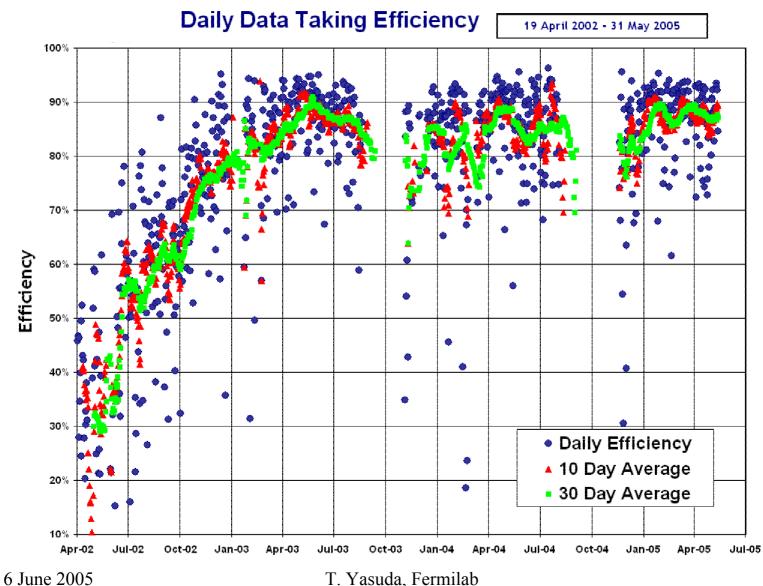












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Notable events of the week

- Controlled access twice on 6/3 (Fri)
 - 1st Access
 - To replace a Calorimeter BLS supply
 - To swap an FPD AFE
 - To reseat CTT cables
 - To measure PDT low voltage PS ripples
 - 2nd access
 - To work on a dead Calorimeter preamp PS
 - Required opening the detector (2 hours to open and 3 hours to close)





Summary

- We continue to take data with high efficiencies.
- We are getting ready for even higher luminosities.
- We will have our workshop in Vancouver next week.